

Title (en)  
DIRECTIONAL COUPLER ARRANGEMENT AND METHOD

Title (de)  
RICHTKOPPLERANORDNUNG UND VERFAHREN

Title (fr)  
AGENCEMENT DE COUPLEUR DIRECTIONNEL ET PROCÉDÉ

Publication  
**EP 2862231 A1 20150422 (EN)**

Application  
**EP 12729950 A 20120618**

Priority  
EP 2012061578 W 20120618

Abstract (en)  
[origin: WO2013189514A1] A directional coupler arrangement (100) comprising an air waveguide (101) and a coupler port (103) having a coupler line (105) arranged inside the air waveguide (101). A method (700) for producing a directional coupler arrangement (100) comprising forming (701) an air waveguide (101) and forming (703) a coupler port (103) having a coupler line (105) arranged inside the air waveguide (101) is also disclosed. Placing the coupler line (105) of a directional coupler inside the air waveguide (101) makes the interface to the air waveguide (101) more robust against manufacturing tolerances and improves its behaviour with respect to insertion loss, directivity, operational bandwidth and impedance matching.

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See references of WO 2013189514A1

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DOCDB simple family (publication)  
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